

ABSTRACT OF THE DISCLOSURE

A power semiconductor device which makes a heat come hard to arise in a particular element and is able to control an increase of the amount of a power loss caused by a tail current, even in case that plural power semiconductor elements are connected in parallel is provided.

A control part (CTa) performs a regional control instead of a general control that all of IGBT elements (PD1 to PD4) are made to operate identically with providing a PWM signal (S0) for all of the elements. In other words, when a certain pulse in a pulse row of the PWM signal (S0) is inputted, only a part of switches (SW1 and SW2) is turned on and only a part of the IGBT elements (PD1 and PD2) is made to operate, and when a next pulse is inputted, only the other part of switches (SW3 and SW4) is turned on and only the other part of IGBT elements (PD3 and PD4) is made to operate. Moreover, the operation described above is repeated.